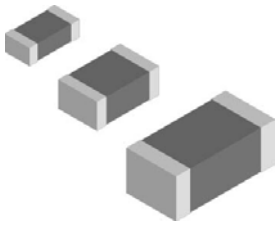
NTC Thermistors, Surface Mount Chip



FEATURES

- Solderable terminations
- Wraparound terminations
- Allows design flexibility for use with hybrid circuitry
- High-density monolithic construction

NTHS PRODUCT R_{25} °C VALUE RANGE BY CURVE AVAILABILITY

CURVE	NTHS-0402	NTHS-0603	NTHS-0805	NTHS-1206	NTHS-1012	% TOLERANCE AVAILABILITY
3	N/A	1000 - 2000	1000 - 2000	1000 - 2000	500 - 700	5 %, 10 %
6	4.7K - 5.0K	2K - 3.5K	1.5K - 2.8K	1.5K - 3.5K	1000 - 2000	5 %, 10 %
2	10K - 12K	6.8K - 12K	4.7K - 10K	4.7K - 10K	1.3K - 4.3K	3 %, 5 %, 10 %
10	18K - 25K	10K - 20K	6K - 12K	10K - 20K	4.5K - 7K	3 %, 5 %, 10 %
11	30K - 34K	22K - 32K	12K - 30K	20K - 33K	9K - 13K	3 %, 5 %, 10 %
5	47K - 50K	32K - 50K	35K - 50K	30K - 44K	15K - 20K	3 %, 5 %, 10 %
1	68K - 100K	32K - 100K	33K - 100K	32K - 70K	10K - 30K	1 % to 10 %
17	250K	150K - 200K	100K - 200K	100K - 200K	30K - 93K	3 %, 5 %, 10 %
4	350K	200K - 220K	200K - 220K	200K - 330K	93K - 140K	3 %, 5 %, 10 %

GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: NTHS1206N02N1002JR (preferred part numbering format)

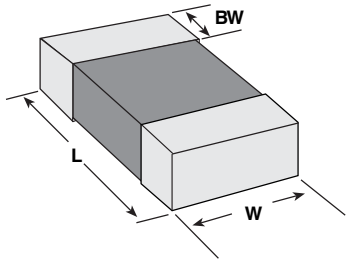
N	T	H	S	1	2	0	6	N	0	2	N	1	0	0	2	J	R

GLOBAL MODEL	CONDUCTOR TYPE	CURVE	CHARACTERISTIC	RESISTANCE VALUE	TOLERANCE CODE	PACKAGING
NTHS0402 **NTHS0603** **NTHS0805** **NTHS1206** **NTHS1012**	Nickel Barrier	01 02 03 04 05 06 10 11 17	**N**	**1002** = 10K	**F** = ± 1 % **J** = ± 5 % **K** = ± 10 %	**F** = Lead (Pb)-free, Bulk **E** = Lead (Pb)-free, T/R (Full) **P** = Tin/Lead, Bulk **R** = Tin/Lead T/R (Full)

Historical Part Number example: NTHS1206N02N1002JR (will continue to be accepted)

NTHS1206	N	02	N	1002	J	R
HISTORICAL MODEL	CONDUCTOR TYPE	CURVE	CHARACTERISTIC	RESISTANCE VALUE	TOLERANCE	PACKAGING

DIMENSIONS in inches [millimeters]



PART NUMBER	L	W	BW
NTHS-0402	0.040 ± 0.004 [1.016 ± 0.102]	0.022 ± 0.006 [0.5 ± 0.051]	0.010 ± 0.004 [0.25 ± 0.102]
NTHS-0603	0.063 ± 0.008 [1.6 ± 0.20]	0.031 ± 0.008 [0.80 ± 0.20]	0.010 ± 0.006 [0.25 ± 0.15]
NTHS-0805	0.079 ± 0.008 [2.00 ± 0.20]	0.049 ± 0.008 [1.25 ± 0.20]	0.012 ± 0.006 [0.30 ± 0.15]
NTHS-1206	0.126 ± 0.008 [3.20 ± 0.20]	0.063 ± 0.008 [1.60 ± 0.20]	0.018 ± 0.008 [0.46 ± 0.20]
NTHS-1012	0.098 ± 0.008 [2.50 ± 0.20]	0.126 ± 0.008 [3.20 ± 0.20]	0.018 ±□0.008 [0.46 ± 0.20]

TYPICAL PRODUCT RTC CHARACTERISTICS									
CURVE	1	2	3	4	5	6	10	11	17
NTC%/°C at + 25 °C	- 4.4	- 3.83	- 3.5	- 4.68	- 4.3	- 3.6	- 3.9	- 4.0	- 4.54
Beta + 25 °C/+ 75 °C	3964	3477	3181	4247	3890	3254	3500	3700	4064

Beta Tolerance is ± 3 %

Notice

Specifications of the products displayed herein are subject to change without notice. Vishay Intertechnology, Inc., or anyone on its behalf, assumes no responsibility or liability for any errors or inaccuracies.

Information contained herein is intended to provide a product description only. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Vishay's terms and conditions of sale for such products, Vishay assumes no liability whatsoever, and disclaims any express or implied warranty, relating to sale and/or use of Vishay products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright, or other intellectual property right.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Vishay for any damages resulting from such improper use or sale.